CLAIMS

1. An optical disk comprising:

a substrate including resin-impregnated paper in which a resin has been impregnated into paper or resin-coated paper in which the paper surface has been coated with a resin; and

a recording layer provided on at least one side of the substrate.

2. An optical disk according to claim 1, wherein the centerline average roughness Ra of at least one side of the substrate is 0.5 μm or less, and the maximum roughness Rmax is 6.0 μm or less.

3. An optical disk according to claim 1, further comprising:

a printing layer provided on the side opposite from the side of the substrate provided with the recording layer.

4. An optical disk according to claim 1, wherein the recording layer is provided on both sides of the substrate.

5. An optical disk according to any of claims 1 through 4, further comprising:

a protective layer for protecting the recording layer.

6. An optical disk according to any of claims 1 through 4, wherein the recording layer has a recording layer base material that serves as a support for the recording layer, and the recording layer base material includes a non-hydrophilic film.

7. An optical disk according to claim 5, wherein the recording layer has a recording layer base material that serves as a support for the recording layer, and the recording layer base material includes a non-hydrophilic film.

8. An optical disk according to claim 3, wherein the printing layer has a printing base material that serves as a support for the printing layer, and the printing base material includes a non-hydrophilic film.

9. An optical disk according to any of claims 1 through 4, further comprising: a release layer provided between the substrate and the recording layer.

10. An optical disk according to claim 5, further comprising:

a release layer provided between the substrate and the recording layer.

11. An optical disk according to claim 3 or claim 8, further comprising:

a release layer provided between the substrate and the printing layer.

12. A manufacturing method of an optical disk, comprising the steps of:

a recording layer sheet fabrication step in which a recording layer sheet is fabricated by forming tracks on a recording layer base material; and

a recording layer sheet lamination step in which a recording layer included the recording layer sheet is provided on a substrate included resin-impregnated paper or resin-coated paper by laminating the recording layer sheet with resin-impregnated paper in which a resin is impregnated into paper or resin-coated paper in which the surface of the paper is coated with a resin.

13. A manufacturing method of an optical disk according to claim 12, further comprising the steps of:

a printing sheet fabrication step in which a printing sheet is fabricated by carrying out printing on a printing base material; and

a printing sheet lamination step in which a printing layer included of the printing sheet is provided on a substrate included resin-impregnated paper or resin-coated paper by laminating the printing sheet with resin-impregnated paper in which a resin is impregnated into paper or resin-coated paper in which the surface of the paper is coated with a resin.

14. A manufacturing method of an optical disk according to claim 12, further comprising the steps of:

a protective film lamination step in which a protective layer included a protective film is provided on the recording layer by laminating the protective film onto the recording layer.

15. A manufacturing method of an optical disk according to claim 13, further comprising the steps of:

a protective film lamination step in which a protective layer included a protective film is provided on the recording layer by laminating the protective film onto the recording layer.

16. A manufacturing method of an optical disk according to any of claims 12 through 15, further comprising the steps of:

a release layer formation step in which a release layer is formed on at least one side

of the resin-impregnated paper or resin-coated paper in advance.

17. A manufacturing method of an optical disk according to any of claims 12 through 15, wherein each sheet is produced in the form of a wound roll, and each sheet in the form of a wound roll is laminated.

18. A manufacturing method of an optical disk according to claim 13, wherein the printing sheet fabrication step has a step in which mutually different variable information imparted to each optical disk produced is printed on the printing base material.